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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,006	02/23/2002	Charbel Khawand	CM03418J	1901
7590 05/23/2005		EXAMINER		
Scott M. Garrett			GARY, ERIKA A	
Motorola, Inc.			·	
Law Department			ART UNIT	PAPER NUMBER
8000 West Sunrise Boulevard			2681	
Fort Lauderdale, FL 33322			DATE MAILED: 05/23/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

_		Application No.	Applicant(s)			
Office Action Summary		10/082,006	KHAWAND ET AL.			
		Examiner	Art Unit			
		Erika A. Gary	2681			
Period fo	The MAILING DATE of this communication a or Reply	ppears on the cover sheet with the o	correspondence address			
THE I - Exter after - If the - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION sions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perion to reply within the set or extended period for reply will, by state eply received by the Office later than three months after the main and patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply be tireply within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 10	March 2005.				
		nis action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-7 is/are pending in the application 4a) Of the above claim(s) is/are withdr Claim(s) is/are allowed. Claim(s) 1-7 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and	rawn from consideration.				
Applicati	on Papers					
9) The specification is objected to by the Examiner.						
10)[10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority u	nder 35 U.S.C. § 119					
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure ee the attached detailed Office action for a list	nts have been received. nts have been received in Applicati iority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage			
Attachment						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary				
3) 🔲 Infom	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/0 · No(s)/Mail Date	Paper No(s)/Mail Da 8) 5) Notice of Informal P 6) Other:	ate Patent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicant's submission or prior art, Wan et al., US Patent Number 6,240,288 (hereinafter Wan) in view of Sun, US Patent Number 6,295,311 (hereinafter Sun).

Regarding claim 1, Wan discloses a method of monitoring a broadcast channel for a page at a mobile communication device, comprising: receiving a broadcast signal in the broadcast channel to check for the page; determining a signal quality metric upon receiving the broadcast signal; selecting a time period based on the signal quality metric; and receiving the broadcast again to check for the page only after the time period has passed (figs. 7, 8., col. 2: lines 32-44).

What Wan does not specifically disclose is calculating the values of a plurality of channel parameters; weighting each of the values of the plurality of channel parameters by applying a scaling factor to provide weighted values; and determining the signal quality metric by summing the weighted values. However, Sun teaches this limitation (abstract; fig. 4; col. 2: lines 56-65).

At the time of the invention, it would have been obvious to one of ordinary skill in the art to modify Wan to include Sun. The motivation for this combination, as suggested

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by Sun, would have been to provide a means for estimating the signal quality metric [col. 2: lines 12-17].

Regarding claim 2, Wan discloses placing the mobile communication device into a low power mode between the selecting and receiving the broadcast signal again, the low power mode being characterized by the mobile communication device having a lower rate of power consumption than when receiving the broadcast signal (col. 4: lines 19-31, 46-52).

Regarding claim 3, Wan discloses the signal quality metric is determined, at least in pad, by the received signal strength (col. 9: lines 26-30).

Regarding claim 4, Wan and Sun do not specifically teach that the signal quality metric is determined, at least in part, by an automatic gain control setting of a receiver of the mobile communication device. However, it is well known in the art to determine signal quality by various means, such as by automatic gain control. It would have been obvious to one of ordinary skill in the art at the time of the invention, to include using an automatic gain control setting as Wan states that any technique to measure signal quality could be used wherein the invention would perform equally well (col. 10: lines 16-18).

Regarding claim 5, Wan discloses the signal quality metric is determined by weighting at least two parameters selected from the group consisting of received signal strength of the broadcast signal, automatic gain control setting of a receiver of the mobile communication device, and a correlation value of the broadcast signal (col. 9: line 26 - col. 10: line 19).

Regarding claim 6, Wan discloses if the signal quality metric is below a preselected threshold, the selecting the time period comprises selecting a default time period (col. 11: lines 45-52).

Regarding claim 7, Wan discloses the selecting the time period based on the signal quality metric comprises selecting the time period in terms of a number of time slots, the time slots defined by an air interface used by the mobile communication device (fig. 7: ref. 740; col. 5: line 62 - col. 6: line 6., col. 11: lines 10-28).

Conclusion

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erika A. Gary whose telephone number is 571-272-7841. The examiner can normally be reached on Monday-Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on 571-272-3865. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EAG May 18, 2005